



MIHAILO STEFANOVIĆ

Fullstack Embedded Engineer

CONTACT INFORMATION

stefanovicmihailo93@gmail.com

Tel :+381649035760

/in/ms993

SUMMARY

Experienced Embedded Hardware Engineer with expertise in electronic hardware design, embedded programming, and IoT sensors. Skilled in microcontroller programming and experienced in electronics component design and management. Also possesses strong analytical and programming skills, with proficiency in Altium Designer, C, Python, and more.



WORK EXPERIENCE

EMBEDDED SOFTWARE ENGINEER

Continental doo | May 2023 - October 2024

- Developed and maintained software for Body Control Modules (BCM).
- Collaborated with cross-functional teams to ensure seamless integration of software with hardware components.
- Participated in the design and implementation of embedded systems solutions.
- Conducted testing and debugging to ensure the reliability and functionality of BCM modules.

Skills: C, Python, Git, JIRA, Requirements Engineering

SENIOR HARDWARE ENGINEER

Easy Aerial doo | February 2023 - May 2023

- Led PCB design and development for autonomous drone systems
- Conducted testing and validation of electronic components to ensure optimal performance
- Collaborated with multidisciplinary teams to integrate hardware solution
- Contributed to the continuous improvement of hardware design processes.

Skills: Altium Designer, Analog & Digital Electronics, PCB Design, C, Requirement Engineering, Git, SVN

EMBEDDED HARDWARE ENGINEER

Robert Bosch doo | 2020 - 2022

- Designed and developed electronic hardware for drive and control of brushless DC motors, IoT, and sensors for AC/DC power tools
- Conducted concept development and simulation of electronic circuits (analog/digital) and designed PCBs
- Verified, validated, and tested prototypes of electronic circuits in electronics laboratories
- Supported production of electronic circuits from design to serial production in cooperation with procurement and external associates
- Programmed microcontrollers for controlling brushless motors and sensors for AC/DC hand tools
- Managed entire project lifecycle using Codebeamer software, including customer and system requirements, and software/hardware specifications. Also created comprehensive test cases for each stage, ensuring delivery of high-quality products.
- Managed tasks and activities in detail
- Identified and evaluated risks and participated in solving them
- Supported analysis of technical feasibility of user requirements
- Supported development of concept of technical and architectural solutions and their implementation

Skills: Altium Designer, Altium Nexus, Mentor Graphics, C, Python, FCT Testing, Analog & Digital Electronics, Git

MANAGER/ENGINEER FOR ECDB

Robert Bosch doo | 2019 - 2020

- Led Electronic Component Database team
- Organized daily priorities for creating/verifying components and bug fixing regarding components
- Maintained Altium Nexus Database and Servers
- Made decisions regarding new Bosch standards for electronics as part of key-user group
- Provided schematic and PCB design support on various projects

Skills: Altium Designer, Altium Nexus, Altium Vault, Electronics Components, IPC standardization

ELECTRONICS COMPONENT DESIGN ENGINEER

Robert Bosch doo | 2018 - 2019

- Created and verified new electronic components for Altium Vault Database
- Maintained Altium Vault Database and Servers
- Supported R&D Engineers worldwide in converting existing PCB designs to meet new PT-Bosch standards

Skills: Altium Designer, Altium Nexus, Altium Vault, Electronic Components, IPC Standardization

API SUPPORT ENGINEER

Bluegrid doo | 2018

- Assisted developers in developing new API features
- Troubleshoot and debugged new API features
- Wrote and maintained API documentation
- Helping clients who had trouble implementing our API in their products

Skills: Python, Git

STUDENT ASSISTANT

The School of Electrical and Computer Engineering of Applied Studies | 2014 - 2017

- Taught students practical lectures from different subjects in the field of Electronics, Automatics, and Computer Science
- Wrote lecture notes for Electronics Materials and Components
- Made control panels for different kinds of PLCs (Omron, Fatek, Siemens) for the subject Real-time Control Systems
- Worked on projects making Educational tools for practical lessons on the subject Elements of Automation Systems

Skills: Industrial Automation, Electronics, PLC Programming, Electronic components

HARDWARE ENGINEER INTERN

MikroElektronika | June 2015 - August 2015

- Designed PCB and wrote C code examples for "ADC3 click" board module that connects with microcontroller via I2C communication and measures 4 different analog signals with precision up to 16 bits
- Wrote C code example for "PWM click" board based on PCA9685PW IC
- Developed analytical, designing, coding, and communication skills

Skills: Altium Designer, C, MirkoE compiler, Electronics, PCB Design



SKILLS

- **Analytical skills:** Analytical and critical thinking, Problem solving, Decision making.
- **Organizational skills:** Time management, Planning and scheduling, teamwork, SCRUM, Waterfall
- **Programming skills:** C, C++, Python
- **Electronics skills:** Analog, Digital Electronics, PCB Design (Altium Designer, KiCAD, Mentor Graphics), Highspeed design concepts.
- Codebeamer, JIRA, GIT, SVN, Requirements Engineering



EDUCATION

The School of Electrical and Computer Engineering of Applied Studies

2012-2019

Automatics and Vehicle Control Systems



LANGUAGES

ENGLISH

Advanced

SERBIAN

Native